

FIG.6A

Nucleotide Sequence Between Sali and NcoI

10	20	30	40	50	60
CCATGGATAT	GGCAGGTGT	GCTCGCCTGC	CGTATGATGG	CGATGACACC	CCATTGCCC
80	90	100	110	120	130
CGATTTGACA	TGTGATATGA	TTTAACATGT	GACATGATTT	AACATTGTTT	AATACTGTG
150	160	170	180	190	200
CATAATTAG	TAACGCATTT	AGTAACGCAT	TTGTAAAAAT	CATTGCGCCC	CTTTTGT
220	230	240	250	260	270
TAGAAATATTA	TGATTGTATC	TGATTATTGT	ATCAGAAATGG	TGATGCTATA	TGATGATCCC
290	300	310	320	330	340
TTTGGTTAA	TCACTCTATG	ATTGATATA	TTTTGAAACT	AATCTATTGA	CTTAAATCT
360	370	380	390	400	410
TAATTTAGCA	TAATGGTAGG	CTTTTGTAA	AAATCACATC	GCAATATTGT	TCTACTGTT
430	440	450	460	470	480
TGAATGACGA	TCCAATCAC	CAGATTCAAT	CAAGTGATGT	GTTTGTATAC	GCACCATTTA
500	510	520	530	540	550
TTCAATCAAA	TGCCATGTGC	AGCATGTATC	ATTTTTTTAA	GGTAAACCCAC	CATGAATCAC
570	580	590	600	610	620
TCATCTTTAA	CAAAGCCACA	GGCACATTTA	TGGCAGTGGC	AGAGTACGCC	AAATCCCACA
					GCACGGGGG

FIG. 6B

640	650	660	670	680	690	700
GGGGTAGCTG	TGCTACAGGG	CAAGTTGGCA	GTGTATGCAC	TCTGAGCTTT	GCCCCGTATTG	CCGCGCTCGC
710	720	730	740	750	760	770
TGTCCCTCGTG	ATCGGTGCAA	CGCTCAGTGG	CAGTGCTTAT	GCTCAAAAAA	AAGATACCAA	ACATATCGCA
780	790	800	810	820	830	840
ATTGGTGAAC	AAAACAGCC	AAGACGCTCA	GGCACTGCCA	AGGCGGACGG	TGATCGAGCC	ATTGCTATTG
850	860	870	880	890	900	910
GTGAAAATGC	TAACGCACAG	GGCGGTCAAG	CCATCGCCAT	CGGTAGTAGT	AATAAAACTG	TCAATGGAAG
920	930	940	950	960	970	980
CAGTTTGGAT	AAGATAGGTA	CCGATGCTAC	GGGTCAAGAG	TCCATCGCCA	TCGGTGGTGA	TGTAAAGGCT
990	1000	1010	1020	1030	1040	1050
AGTGGTGATG	CCTCGATTGC	CATCGGTAGT	GATGACTTAC	ATTTGCTTGA	TCAGCATGGT	AATCCTAAAC
1060	1070	1080	1090	1100	1110	1120
ATCCGAAAGG	TACTCTGATT	AACGATCTTA	TTAACGGCCA	TGCAGTATTA	AAAGAAATAC	GAAGCTCAAA
1130	1140	1150	1160	1170	1180	1190
GGATAATGAT	GTAAAATATA	GACGCACAAC	CGCAAGCGGA	CACGCCAGTA	CTGCAGTGGG	AGCGATGCTCA
1200	1210	1220	1230	1240	1250	1260
TATGCACAGG	GTCATTTTTC	CAACGCCTTT	GGTACACGGG	CAACAGCTAA	AAGTGCCTAT	TCCTTGGCAG

FIG. 6C

1270	1280	1290	1300	1310	1320	1330
TGGTCTTGC	CGCCACAGCC	GAGGGCCAAT	CTACAATCGC	TATTGGTTCT	GATGCAACAT	CTAGCTCGTT
1340	1350	1360	1370	1380	1390	1400
GGGAGCGATA	GCCCTTGGTG	CAGGTACTCG	TGCTCAGCTA	CAGGGCAGTA	TTGCCCTAGG	TCAAGGTTCT
1410	1420	1430	1440	1450	1460	1470
GTTGTCACTC	AGAGTGATAA	TAATTCTAGA	CCGGCCCTATA	CACCAAATAC	CCAGGCACTA	GACCCCAAGT
1480	1490	1500	1510	1520	1530	1540
TTCAAGCCAC	CAATAATACG	AAGCGGGTC	CACTTTCCAT	TGGTAGTAAC	TCTATCAAAC	GTAAATCAT
1550	1560	1570	1580	1590	1600	1610
CAATGTCGGT	GCAGGTGTTA	ATAAAACCGA	TGCGGTCAAT	GTGGCACAGC	TAGAAGCGGT	GGTGAAGTGG
1620	1630	1640	1650	1660	1670	1680
GCTAAGGAGC	GTAGAATTAC	TTTTCAGGGT	GATGATAACA	GTACTGACGT	AAAAATAGGT	TTGGATAATA
1690	1700	1710	1720	1730	1740	1750
CTTTAACTAT	TAAAGGTGGT	GCAGAGACCA	ACGCATTAAAC	CGATAATAAT	ATCGGTGTGG	TAAAGAGAGC
1760	1770	1780	1790	1800	1810	1820
TGATAATAGT	GGTCTGAAAG	TTAAACTTGC	TAAAACTTTA	AACAATCTTA	CTGAGGTGAA	TACAACTACA
1830	1840	1850	1860	1870	1880	1890
TTAAATGCCA	CAACCACAGT	TAAGGTAGGT	AGTAGTAGTA	GTACTACAGC	TGAATTATTG	AGTGATAGTT

FIG. 6D

1900	1910	1920	1930	1940	1950	1960
TAACCTTTAC	CCAGCCCAAT	ACAGGCAGTC	AAAGCACAAG	CAAAACCGTC	TATGGCGTTA	ATGGGGTGAA
1970	1980	1990	2000	2010	2020	2030
GTTTACTAAT	AATGCAGAAA	CAACAGCAGC	AATCGGCACT	ACTCGTATTA	CCAGAGATAA	AATTGGCTTT
2040	2050	2060	2070	2080	2090	2100
GCTCGAGATG	GTGATGTTGA	TGAAAAACAA	GCACCATATT	TGGATAAAAA	ACAACTTAAA	GTGGGTAGTG
2110	2120	2130	2140	2150	2160	2170
TTGCAATTAC	CATAGACAAT	GGCATTGATG	CAGGTAATAA	AAAGATCAGT	AATCTTGCCA	AAGGTAGCAG
2180	2190	2200	2210	2220	2230	2240
TGCTAACGAT	GCGGTTACCA	TCGAACAGCT	CAAAGCCGCC	AAGCCTACTT	TAAACGCAGG	CGCTGGCATC
2250	2260	2270	2280	2290	2300	2310
AGTGTCACAC	CTACTGAAAT	ATCAGTTGAT	GCTAAGAGTG	GCAATGTTAC	CGCCCCAACT	TACAAACATTG
2320	2330	2340	2350	2360	2370	2380
GCGTGAAAAC	CACCGAGCTT	AACAGTGATG	GCACTAGTGA	TAAATTTAGT	GTTAAGGGTA	GTGGTACGAA
2390	2400	2410	2420	2430	2440	2450
CAATAGCTTA	GTTACCGCCG	AACATTGGC	AAGCTATCTA	AATGAAGTCA	ATCGAACGGC	TGACAGTGCT
2460	2470	2480	2490	2500	2510	2520
CTACAAAGCT	TTACCGTTAA	AGAAGAAGAC	GATGATGACG	CCAACGCTAT	CACCGTGGCT	AAAGATACGA

FIG. 6E

2530	2540	2550	2560	2570	2580	2590
CAAAAAATGC	CGGCGCAGTC	AGCATCTTAA	AACTCAAAGG	TAAAAACGGT	CTAACGGTTG	CTACCAAAAA
2600	2610	2620	2630	2640	2650	2660
AGATGGTACG	GTTACCTTTG	GGCTTAGCCA	AGATAGCGGT	CTGACCATTG	GCAAAAGCAC	CCTAAACAAC
2670	2680	2690	2700	2710	2720	2730
GATGGCTTGA	CTGTTAAAGA	TACCAACGAA	CAAATCCAAG	TCGGTGCTAA	TGGCATTAAG	TTTACTAATG
2740	2750	2760	2770	2780	2790	2800
TGAATGGTAG	TAAATCCAGGT	ACTGGCATTG	CAAATACCGC	TCGCATTACC	AGAGATAAAA	TTGGCTTTGC
2810	2820	2830	2840	2850	2860	2870
TGGTTCTGAT	GGTGCAGTTG	ATACAAACAA	ACCTTATCTT	GATCAAGACA	AGCTACAAGT	TGGCAATGTT
2880	2890	2900	2910	2920	2930	2940
AAGATTACCA	ACACTGGCAT	TAACGCAGGT	GGTAAAGCCA	TCACAGGGCT	GTCCCCAACA	CTGCCCTAGCA
2950	2960	2970	2980	2990	3000	3010
TTGCCGATCA	AAGTAGCCGC	AACATAGAAC	TGGGCAATAC	AATCCAAGAC	AAAGACAAAT	CCAACGCTGC
3020	3030	3040	3050	3060	3070	3080
CAGCATTAAT	GATATATTAA	ATACAGGCCT	TAACCTAAAA	AATAATAACA	ACCCCATTTGA	CTTTGTCTCC
3090	3100	3110	3120	3130	3140	3150
ACTTATGACA	TTGTTGACTT	TGCCAATGGC	AATGCCACCA	CCGCCACAGT	AACCCATGAT	ACCGCTAACA

FIG. 6F

3160	3170	3180	3190	3200	3210	3220
AAACCAGTAA	AGTGGTATAT	GATGTGAATG	TGGATGATAC	AACCATTCAT	CTAACAGGCA	CTGATGACAA
3230	3240	3250	3260	3270	3280	3290
TAAAAAACTT	GGCGTCAAAA	CCACCAAACT	GAACAAAACA	AGTGCTAATG	GTAATACAGC	AACTAACTTT
3300	3310	3320	3330	3340	3350	3360
AATGTTAACT	CTAGTGATGA	AGATGCCCTT	GTTAACGCCA	AAGACATCGC	CGAAAAATCTA	AACACCCCTAG
3370	3380	3390	3400	3410	3420	3430
CCAAGGAAAT	TCACACCACC	AAAGGCACAG	CAGACACCGC	CCTACAAACC	TTTACCCTTA	AAAAGGTAGA
3440	3450	3460	3470	3480	3490	3500
TGAAAATAAT	AATGCTGATG	ACGCCAACGC	CATCACCCGTG	GGTCAAAAAGA	ACGCAAATAA	TCAAGTCAAC
3510	3520	3530	3540	3550	3560	3570
ACCCCTAACAC	TCAAAGGTGA	AAACGGTCTT	AATATTAAAA	CCGACAAAAA	TGGTACGGTT	ACCTTTGGCA
3580	3590	3600	3610	3620	3630	3640
TTAACACCCAC	AAGCGGTCTT	AAAGCCGGCA	AAAGCACCCCT	AAACGACGGT	GGCTTGCTCTA	TTAAAAACCC
3650	3660	3670	3680	3690	3700	3710
CACTGGTAGC	GAACAAATCC	AAGTCGGTGC	TGATGGCGTG	AAGTTTGCCA	AGGTTAATAA	TAATGGTGTT
3720	3730	3740	3750	3760	3770	3780
GTAGGTGCTG	GCATTGATGG	CACAACCTCGC	ATTACCAGAG	ATGAAATTGG	CTTTACTGGG	ACTAATGGCT

FIG. 6G

3790	3800	3810	3820	3830	3840	3850
CACTTGATAA	AAGCAAACCC	CACCTAAGCA	AAGACGGCAT	TAACGCAGGT	GGTAAAAGA	TTACCAACAT
3860	3870	3880	3890	3900	3910	3920
TCAATCAGGT	GAGATTGCC	AAAACAGCCA	TGATGCTGTG	ACAGGCGGCA	AGATTTATGA	TTTAAAAACC
3930	3940	3950	3960	3970	3980	3990
GAACTTGAAA	ACAAAATCAG	CAGTACTGCC	AAAACAGCAC	AAAACTCATT	ACACGAATTC	TCAGTAGCAG
4000	4010	4020	4030	4040	4050	4060
ATGAACAAGG	TAATAACTTT	ACGGTTAGTA	ACCCTTACTC	CAGTTATGAC	ACCTCAAAGA	CCTCTGATGT
4070	4080	4090	4100	4110	4120	4130
CATCACCTTT	GCAGGTGAAA	ACGGCATTAC	CACCAAGGTA	AATAAAGTG	TGGTGCGTGT	GGGCATTGAC
4140	4150	4160	4170	4180	4190	4200
CAAAACCAAG	GCTTAACCAC	GCCTAAGCTG	ACCGTGGGTA	ATAATAATGG	CAAAGGCATT	GTCATTGACA
4210	4220	4230	4240	4250	4260	4270
GCCAAAATGG	TCAAAATACC	ATCACAGGAC	TAAGCAACAC	TCTAGCTAAT	GTTACCAATG	ATAAAGGTAG
4280	4290	4300	4310	4320	4330	4340
CGTACGCACC	ACAGAACAGG	GCAATATAAT	CAAAGACGAA	GACAAAACCC	GTGCCGCCAG	CATTGTTGAT
4350	4360	4370	4380	4390	4400	4410
GTGCTAAGCG	CAGGCTTTAA	CTTGCAAGGC	AATGGTGAAG	CGGTTGACTT	TGCTCTCCACT	TATGACACCCG

FIG. 6H

4420	4430	4440	4450	4460	4470	4480
TCAACTTTGC	CGATGGCAAT	GCCACCACCG	CTAAGGTGAC	CTATGATGAC	ACAAGCAAAA	CCAGTAAAGT
4490	4500	4510	4520	4530	4540	4550
GGTCTATGAT	GTCAATGTGG	ATGATACAAC	CATTGAAGTT	AAAGATAAAA	AAC TTGGCGT	AAAAACCACC
4560	4570	4580	4590	4600	4610	4620
ACATTGACCA	G TACTGGCAC	AGGTGCTAAT	AAATTTGCCC	TAAGCAATCA	AGCTACTGGC	GATGCGCTTG
4630	4640	4650	4660	4670	4680	4690
TCAAGGCCAG	TGATATCGTT	GCTCATCTAA	ACACCTTATC	TGGCGACATC	CAAACTGCCA	AAGGGCAAG
4700	4710	4720	4730	4740	4750	4760
CCAAGCGAAC	AACTCAGCAG	GCTATGTGGA	TGCTGATGGC	AATAAGGTCA	TCTATGACAG	TACCGATAAC
4770	4780	4790	4800	4810	4820	4830
AAGTACTATC	AAGCCAAAAA	TGATGGCACA	GTTGATAAAA	CCAAAGAAAGT	TGCCAAAGAC	AAACTGGTCG
4840	4850	4860	4870	4880	4890	4900
CCCAAGCCCA	AACCCAGAT	GGCACATTGG	CTCAAATGAA	TGTCAAATCA	GTCATTAAAC	AAGAACAAGT
4910	4920	4930	4940	4950	4960	4970
AAATGATGCC	AATAAAAAAGC	AAGGCATCAA	TGAAGACAAC	GCCTTTGTTA	AAGGACTTGA	AAAAGCCGCT
4980	4990	5000	5010	5020	5030	5040
TCTGATAACA	AAACCAAAAA	CGCCGCAGTA	ACTGTGGGTG	ATTTAAATGC	CGTTGCCCAA	ACACCGCTGA

FIG. 6I

5050	5060	5070	5080	5090	5100	5110
CCTTGCAGG	GGATACAGG	ACAACGGCTA	AAAAACTGGG	CGAGACTTTG	ACCATCAAAG	GTGGGCAAAC
5120	5130	5140	5150	5160	5170	5180
AGACACCAAT	AAGCTAACG	ATAATAACAT	CGGTGTGGTA	GCAGGTACTG	ATGGCTTCAC	TGTCAAACTT
5190	5200	5210	5220	5230	5240	5250
GCCAAAGACC	TAACCAATCT	TAACAGCGTT	AATGCAGGTG	GCACCAAAAT	TGATGACAAA	GGCGTGTCTT
5260	5270	5280	5290	5300	5310	5320
TTGTAGACTC	AAGCGGTCAA	GCCAAAGCAA	ACACCCCTGT	GCTAAGTGCC	AATGGGCTGG	ACCTGGGTGG
5330	5340	5350	5360	5370	5380	5390
CAAGGTCATC	AGTAATGTGG	GCAAAGGCAC	AAAAGATACC	GACGCTGCCA	ATGTACAACA	GTTAAACGAA
5400	5410	5420	5430	5440	5450	5460
GTACGCAACT	TGTTGGGTCT	TGGTAATGCT	GGTAATGATA	ACGCTGACGG	CAATCAGGTA	AACATTGCCG
5470	5480	5490	5500	5510	5520	5530
ACATCAAAA	AGACCCAAAT	TCAGGTTTCA	CATCTAACCG	CACTGTCATC	AAAGCAGGCA	CGGTACTTGG
5540	5550	5560	5570	5580	5590	5600
CGGTAAGGT	AATAACGATA	CCGAAAAACT	TGCCACTGGT	GGTATACAAG	TGGGCGTGGA	TAAAGACGGC
5610	5620	5630	5640	5650	5660	5670
AACGCTAACG	GCGATTTAAG	CAATGTTTGG	GTCAAAACCC	AAAAAGATGG	CAGCAAAAAA	GCCCTGCTCG
5680	5690	5700	5710	5720	5730	5740
CCACTTATAA	CGCCGCAGGT	CAGACCAACT	ATTTGACCAA	CAACCCCGCA	GAAGCCATTG	ACAGAATAAA

FIG. 6J

5750	5760	5770	5780	5790	5800	5810
TGAACAAGGT	ATCCGCTTCT	TCCATGTCAA	CGATGGCAAT	CAAGAGCCTG	TGGTACAAGG	GGTAAACGGC
5820	5830	5840	5850	5860	5870	5880
ATTGACTCAA	GTGCCTCAGG	CAAGCACTCA	GTGGCGATAG	GTTTCCAGGC	CAAGGCAGAT	GGTGAAGCCG
5890	5900	5910	5920	5930	5940	5950
CCGTGCCAT	AGGCAGACAA	ACCCAAGCAG	GCAACCAATC	CATCGCCATC	GGTGATAACG	CACAAGCCAC
5960	5970	5980	5990	6000	6010	6020
GGGCGATCAA	TCCATCGCCA	TCGGTACAGG	CAATGTGGTA	GCAGGTAAGC	ACTCTGGTGC	CATCGGCGAC
6030	6040	6050	6060	6070	6080	6090
CCAAGCACTG	TTAAGGCTGA	TAACAGTTAC	AGTGTGGGTA	ATAACAACCA	GTTTACCGAT	GCCACTCAAA
6100	6110	6120	6130	6140	6150	6160
CCGATGTCTT	TGGTGTGGC	AATAACATCA	CCGTGACCGA	AAGTAACTCG	GTTGCCCTTAG	GTTCAAACTC
6170	6180	6190	6200	6210	6220	6230
TGCCATCAGT	GCAGGCACAC	ACGCAGGCAC	ACAAGCCAAA	AAATCTGACG	GCACAGCAGG	TACAACCACC
6240	6250	6260	6270	6280	6290	6300
ACAGCAGGTG	CAACCGGTAC	GGTTAAAGGC	TTTGCTGGAC	AAACGGCGGT	TGGTGCGGTC	TCCGTGGGTG
6310	6320	6330	6340	6350	6360	6370
CCTCAGGTGC	TGAACGCCGT	ATCCAAAATG	TGGCAGCAGG	TGAGGTCAGT	GCCACCAGCA	CCGATGCCGT
6380	6390	6400	6410	6420	6430	6440
CAATGGTAGC	CAGTTGTACA	AAGCCACCCA	AAGCATTGCC	AACGCAACCA	ATGAGCTTGA	CCATCGTATC

FIG. 6K

6450	6460	6470	6480	6490	6500	6510
CACCAAAACG	AAAATAAGC	CAATGCAGG	ATTTCATCAG	CGATGGCGAT	GGCGTCCATG	CCACAAGCCT
6520	6530	6540	6550	6560	6570	6580
ACATTCCCTGG	CAGATCCATG	GTTACCGGG	GTATTGCCAC	CCACAACGGT	CAAGGTGCGG	TGGCAGTGGG
6590	6600	6610	6620	6630	6640	6650
ACTGTGGAAG	CTGTCGGATA	ATGGTCAATG	GGTATTAA	ATCAATGGTT	CAGCCGATAC	CCAAGGCCAT
6660	6670	6680	6690	6700	6710	6720
GTAGGGGCGG	CAGTTGGTGC	AGGTTTTCAC	TTTAAAGCCA	TAAATCGCAA	GATTTTACTT	AAAAATCAAT
6730	6740	6750	6760	6770	6780	6790
CTCACCATAG	TTGTATAAAA	CAGCATCAGC	ATCAGTCATA	TTACTGATGC	TGATGTTTTT	TATCACTTAA
6800	6810	6820	6830	6840	6850	6860
ACCATTTTAC	CGCTCAAGTG	ATTCTCTTTC	ACCATGACCA	AATCGCCATT	GATCATAGGT	AAACTTATTG
6870	6880	6890	6900	6910	6920	6930
AGTAAATTTT	ATCAATGTAG	TTGTTAGATA	TGGTTAAAT	TGTGCCATTG	ACCAAAAAAT	GACCGATTTA
6940	6950	6960	6970			
TCCCGAAAT	TTCTGATTAT	GATCCGTTGA	CCTGCAGGTC	GAC		

FIG.6 con't.

6831
AGT GAT TCT CTT TCA CCA TGA CCA AAT CGC CAT TGA TCA TAG GTA AAC TTA TTG 6858

6885
AGT AAA TTT TAT CAA TGT AGT TGT TAG ATA TGG TTA AAA TTG TGC CAT TGA CCA 6912
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6939
AAA AAT GAC CGA TTT ATC CCG AAA ATT TCT GAT TAT GAT CCG TTG ACC TGC AGG 6966

TCG AC

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FIG.6 con't.

6561 6588
 GGG GGT ATT GCC ACC CAC AAC GGT CAA GGT GCG GTG GCA GTG GGA CTG TCG AAG
 Gly Gly Ile Ala Thr His Asn Gly Gln Gly Ala Val Ala Val Gly Leu Ser Lys

6615 6642
 CTG TCG GAT AAT GGT CAA TGG GTA TTT AAA ATC AAT GGT TCA GCC GAT ACC CAA
 Leu Ser Asp Asn Gly Gln Trp Val Phe Lys Ile Asn Gly Ser Ala Asp Thr Gln

34/47 6669 6696
 GGC CAT GTA GGG GCG GCA GTT GGT GCA GGT TTT CAC TTT TAA GCC ATA AAT CGC
 Gly His Val Gly Ala Ala Val Gly Ala Gly Phe His Phe

6723 6750
 AAG ATT TTA CTT AAA AAT CAA TCT CAC CAT AGT TGT ATA AAA CAG CAT CAG CAT

6777 6804
 CAG TCA TAT TAC TGA TGC TGA TGT TTT TTA TCA CTT AAA CCA TTT TAC CGC TCA

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FIG.6 con't.

6291 GGA CAA ACG GCG GTT GGT GCG GTC TCC GTG GGT GCC TCA GGT GCT GAA CGC CGT 6318
 Gly Gln Thr Ala Val Gly Ala Val Ser Val Gly Ala Ser Gly Ala Glu Arg Arg

6345 ATC CAA AAT GTG GCA GCA GGT GAG GTC AGT GCC ACC AGC ACC GAT GCG GTC AAT 6372
 Ile Gln Asn Val Ala Ala Gly Glu Val Ser Ala Thr Ser Thr Asp Ala Val Asn

6399 GGT AGC CAG TTG TAC AAA GCC ACC CAA AGC AGT GCC AAC GCA ACC AAT GAG CTT 6426
 Gly Ser Gln Leu Tyr Lys Ala Thr Gln Ser Ile Ala Asn Ala Thr Asn Glu Leu 33/47

6453 GAC CAT CGT ATC CAC CAA AAC GAA AAT AAG GCC AAT GCA GGG ATT TCA TCA GCG 6480
 Asp His Arg Ile His Gln Asn Glu Asn Lys Ala Asn Ala Gly Ile Ser Ser Ala

6507 ATG GCG ATG GCG TCC ATG CCA CAA GCC TAC ATT CCT GGC AGA TCC ATG GTT ACC 6534
 MET Ala MET Ala Ser MET Pro Gln Ala Tyr Ile Pro Gly Arg Ser MET Val Thr

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FIG.6 con't.

AGT GTG GGT AAT AAC AAC CAG TTT ACC GAT GCC ACT CAA ACC GAT GTC TTT GGT Ser Val Gly Asn Asn Gln Phe Thr Asp Ala Thr Gln Thr Asp Val Phe Gly	6102
GTG GGC AAT AAC ATC ACC GTG ACC GAA AGT AAC TCG GTT GCC TTA GGT TCA AAC Val Gly Asn Ile Thr Val Thr Glu Ser Asn Ser Val Ala Leu Gly Ser Asn	6156
TCT GCC ATC AGT GCA GGC ACA CAC GCA GGC ACA CAA GCC AAA AAA TCT GAC GGC Ser Ala Ile Ser Ala Gly Thr His Ala Gly Thr Gln Ala Lys Lys Ser Asp Gly	6210
ACA GCA GGT ACA ACC ACC ACA GCA GGT GCA ACC GGT ACC GTT AAA GGC TTT GCT Thr Ala Gly Thr Thr Thr Ala Gly Ala Thr Gly Thr Val Lys Gly Phe Ala	6264

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FIG.6 con't.

5859 CAC TCA GTG GCG ATA GGT TTC CAG GCC AAG GCA GAT GGT GAA GCC GCC GTT GCC 5886
His Ser Val Ala Ile Gly Phe Gln Ala Lys Ala Asp Gly Glu Ala Ala Val Ala

5913 ATA GGC AGA CAA ACC CAA GCA GGC AAC CAA TCC ATC GCC ATC GGT GAT AAC GCA 5940
Ile Gly Arg Gln Thr Gln Ala Gln Gly Asn Gln Ser Ile Ala Ile Gly Asp Asn Ala

5967 CAA GCC ACG GGC GAT CAA TCC ATC GCC ATC GGT ACA GGC AAT GTG GTA GCA GGT 5994
Gln Ala Thr Gly Asp Gln Ser Ile Ala Ile Gly Thr Gly Asn Val Val Ala Gly

6021 AAG CAC TCT GGT GCC ATC GGC GAC CCA AGC ACT GTT AAG GCT GAT AAC AGT TAC 6048
Lys His Ser Gly Ala Ile Gly Asp Pro Ser Thr Val Lys Ala Asp Asn Ser Tyr

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FIG.6 con't.

5589 ACT GGT GGT ATA CAA GTG GGC GTG GAT AAA GAC GGC AAC GCT AAC GGC GAT TTA 5616
 Thr Gly Gly Ile Gln Val Gly Val Asp Lys Asp Gly Asn Ala Asn Gly Asp Leu
 5643 AGC AAT GTT TGG GTC AAA ACC CAA AAA GAT GGC AGC AAA AAA GCC CTG CTC GCC 5670
 Ser Asn Val Trp Val Lys Thr Gln Lys Asp Gly Ser Lys Lys Ala Leu Leu Ala
 5697 ACT TAT AAC GCC GCA GGT CAG ACC AAC TAT TTG ACC AAC AAC CCC GCA GAA GCC 5724
 Thr Tyr Asn Ala Ala Gly Gln Thr Asn Tyr Leu Thr Asn Asn Pro Ala Glu Ala
 5751 ATT GAC AGA ATA AAT GAA CAA GGT ATC CGC TTC TTC CAT GTC AAC AAC GAT GGC AAT 5778
 Ile Asp Arg Ile Asn Glu Gln Gly Ile Arg Phe Phe His Val Asn Asp Gly Asn
 5805 CAA GAG CCT GTG GTA CAA GGG CGT AAC GGC ATT GAC TCA AGT GCC TCA GGC AAG 5832
 Gln Glu Pro Val Val Gln Gly Arg Asn Gly Ile Asp Ser Ser Ala Ser Gly Lys

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FIG.6 con't.

5373
 ACA AAA GAT ACC GAC GCT GCC AAT GTA CAA CAG TTA AAC GAA GTA CGC AAC TTG
 Thr Lys Asp Thr Asp Ala Ala Asp GCT GAC GGT AAT GAT AAC GCT GAC GGC AAT CAG GTA AAC ATT

5400

5427
 TTG GGT CTT GGT AAT GGT AAT GAT AAC GCT GAC GGT AAT CAG GTA AAC ATT
 Leu Gly Leu Gly Asn Ala Ala Gly Asn Asp Asn Ala Asp Gly Asn Gln Val Asn Ile

5454

5481
 GCC GAC ATC AAA AAA GAC CCA AAT TCA GGT TCA TCA TCT AAC CGC ACT GTC ATC
 Ala Asp Ile Lys Lys Asp Pro Asn Ser Gly Ser Ser Ser Asn Arg Thr Val Ile

5508

5535
 AAA GCA GGC ACG GTA CTT GGC GGT AAA GGT AAT AAC GAT ACC GAA AAA CTT GCC
 Lys Ala Gly Thr Val Leu Gly Gly Lys Gly Asn Asn Asp Thr Glu Lys Leu Ala

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FIG.6 con't.

AAT AAC ATC GGT GTG GTA GCA GGT ACT GAT GGC TTC ACT GTC AAA CTT GCC AAA	5157	5184
Asn Asn Ile Gly Val Val Ala Gly Thr Asp Gly Phe Thr Val Lys Leu Ala Lys		
GAC CTA ACC AAT CTT AAC AGC GTT AAT GCA GGT GGC ACC AAA ATT GAT GAC AAA	5211	5238
Asp Leu Thr Asn Asn Leu Asn Ser Val Asn Ala Gly Gly Thr Lys Ile Asp Asp Lys		
GGC GTG TCT TTT GTA GAC TCA AGC GGT CAA GCC AAA GCA AAC ACC CCT GTG CTA	5265	5292
Gly Val Ser Phe Val Asp Ser Ser Gly Gln Ala Lys Ala Asn Thr Pro Val Leu		
AGT GCC AAT GGG CTG GAC CTG GGT GGC AAG GTC ATC AGT AAT GTG GGC AAA GGC	5319	5346
Ser Ala Asn Gly Leu Asp Leu Gly Gly Lys Val Ile Ser Asn Val Gly Lys Gly		

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FIG.6 con't.

CAA ATG AAT GTC AAA TCA GTC ATT AAC AAA GAA CAA GTA AAT GAT GCC AAT AAA	4887	4914
Gln MET Asn Val Lys Ser Val Ile Asn Lys Glu Gln Val Asn Asp Ala Asn Lys		
AAG CAA GGC ATC AAT GAA GAC AAC GCC TTT GTT AAA GGA CTT GAA AAA GCC GCT	4941	4968
<u>Lys Gln Gly Ile</u> Asn Glu Asp Asn Ala Phe Val Lys Gly Leu Glu Lys Ala Ala		
TCT GAT AAC AAA ACC AAA AAC GCC GCA GTA ACT GTG GGT GAT TTA AAT GCC GTT	4995	5022
Ser Asp Asn Lys Thr Lys Asn Ala Ala Val Thr Val Gly Asp Leu Asn Ala Val		
GCC CAA ACA CCG CTG ACC TTT GCA GGG GAT ACA GGC ACA ACG GCT AAA AAA CTG	5049	5076
Ala Gln Thr Pro Leu Thr Phe Ala Gly Asp Thr Gly Thr Thr Ala Lys Lys Leu		
GGC GAG ACT TTG ACC ATC AAA GGT GGG CAA ACA GAC ACC AAT AAG CTA ACC GAT	5103	5130
Gly Glu Thr Thr Leu Thr Ile Lys Gly Gly Gln Thr Asp Thr Asn Lys Leu Thr Asp		

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FIG.6 con't.

4671 CTA AAC ACC TTA TCT GGC GAC ATC CAA ACT GCC AAA GGG GCA AGC CAA GCG AAC 4698
 Leu Asn Thr Leu Ser Gly Asp Ile Gln Thr Ala Lys Gly Ala Ser Gln Ala Asn

4725 AAC TCA GCA GGC TAT GTG GAT GCT GAT GGC AAT AAG GTC ATC TAT GAC AGT ACC 4752
 Asn Ser Ala Gly Tyr Val Asp Ala Asp Gly Asn Lys Val Ile Tyr Asp Ser Thr

4779 GAT AAC AAG TAC TAT CAA GCC AAA AAT GAT GGC ACA GTT GAT AAA ACC AAA GAA 4806
 Asp Asn Lys Tyr Tyr Gln Ala Lys Asn Asp Gly Thr Val Asp Lys Thr Lys Glu

4833 GTT GCC AAA GAC AAA CTG GTC GCC CAA GCC CAA ACC CCA GAT GGC ACA TTG GCT 4860
 Val Ala Lys Asp Lys Leu Val Ala Gln Ala Gln Thr Pro Asp Gly Thr Leu Ala

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FIG.6 con't.

4455
 GCC ACC ACC GCT AAG GTG ACC TAT GAT GAC ACA AGC AAA ACC AGT AAA GTG GTC 4482
 Ala Thr Thr Ala Lys Val Thr Tyr Asp Asp Thr Ser Lys Thr Ser Lys Val Val
 4509
 TAT GAT GTC AAT GTG GAT GAT ACA ACC ATT GAA GTT AAA GAT AAA AAA CTT GGC 4536
 Tyr Asp Val Asn Val Asp Asp Thr Thr Thr Ile Glu Val Lys Asp Lys Lys Leu Gly
 4563
 GTA AAA ACC ACC ACA TTG ACC AGT ACT GGC ACA GGT GCT AAT AAA TTT GCC CTA 4590
 Val Lys Thr Thr Thr Leu Thr Ser Thr Gly Thr Gly Ala Asn Lys Phe Ala Leu
 4617
 AGC AAT CAA GCT ACT GGC GAT GCG CTT GTC AAG GCC AGT GAT ATC GTT GCT CAT 4644
 Ser Asn Gln Ala Thr Gly Asp Ala Leu Val Lys Ala Ser Asp Ile Val Ala His

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FIG.6 con't.

4185 ACC GTG GGT AAT AAT AAT GGC AAA GGC ATT GTC ATT GAC AGC CAA AAT GGT CAA 4212
 Thr Val Gly Asn Asn Asn Gly Lys Gly Ile Val Ile Asp Ser Gln Asn Gly Gln
 4239 AAT ACC ATC ACA GGA CTA AGC AAC ACT CTA GCT AAT GTT ACC AAT GAT AAA GGT 4266
 Asn Thr Ile Thr Gly Leu Ser Asn Thr Leu Ala Asn Val Thr Asn Asp Lys Gly
 4293 AGC GTA CGC ACC ACA GAA CAG GGC AAT ATA ATC AAA GAC GAA GAC AAA ACC CGT 4320
 Ser Val Arg Thr Thr Glu Glu Gln Gly Asn Ile Ile Lys Asp Glu Asp Lys Thr Arg
 4347 GCC GCC AGC ATT GTT GAT GTG CTA AGC GCA GGC TTT AAC TTG CAA GGC AAT GGT 4374
 Ala Ala Ser Ile Val Val Asp Val Leu Ser Ala Gly Phe Asn Leu Gln Gly Asn Gly
 4401 GAA GCG GTT GAC TTT GTC TCC ACT TAT GAC ACC GTC AAC TTT GCC GAT GGC AAT 4428
 Glu Ala Val Asp Phe Val Ser Thr Tyr Asp Thr Val Asn Phe Ala Asp Gly Asn

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FIG.6 con't.

3969
 ACT GCC AAA ACA GCA CAA AAC TCA TTA CAC GAA TTC TCA GTA GCA GAT GAA CAA
 Thr Ala Lys Thr Ala Gln Asn Ser Leu His Glu Phe Ser Val Ala Asp Glu Gln 3996

4023
 GGT AAT AAC TTT ACG GTT AGT AAC CCT TAC TCC AGT TAT GAC ACC TCA AAG ACC
 Gly Asn Asn Phe Thr Val Ser Asn Pro Tyr Ser Ser Tyr Asp Thr Ser Lys Thr 4050

4077
 TCT GAT GTC ATC ACC TTT GCA GGT GAA AAC GGC ATT ACC ACC AAG GTA AAT AAA
 Ser Asp Val Ile Thr Phe Ala Gly Glu Asn Gly Ile Thr Thr Lys Val Asn Lys 4104

4131
 GGT GTG GTG CGT GTG GGC ATT GAC CAA ACC AAA GGC TTA ACC ACG CCT AAG CTG
 Gly Val Val Arg Val Gly Ile Asp Gln Thr Lys Gly Leu Thr Pro Lys Leu 4158

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FIG.6 con't.

3753 GGC ACA ACT CGC ATT ACC AGA GAT GAA ATT GGC TTT ACT GGG ACT AAT GGC TCA
 3780 GLY Thr Thr Arg Ile Thr Arg Asp Glu Ile Gly Phe Thr Gly Thr Asn Gly Ser

3807 CTT GAT AAA AGC AAA CCC CAC CTA AGC AAA GAC GGC ATT AAC GCA GGT GGT AAA
 3834 Leu Asp Lys Ser Lys Pro His Leu Ser Lys Asp Gly Ile Asn Ala Gly Gly Lys

3861 AAG ATT ACC AAC ATT CAA TCA GGT GAG ATT GCC CAA AAC AGC CAT GAT GCT GTG
 3888 Lys Ile Thr Asn Ile Gln Ser Gly Glu Ile Ala Gln Asn Ser His Asp Ala Val

3915 ACA GGC GGC AAG ATT TAT GAT TTA AAA ACC GAA CTT GAA AAC AAA ATC AGC AGT
 3942 Thr Gly Gly Lys Ile Tyr Asp Leu Lys Thr Glu Leu Glu Asn Lys Ile Ser Ser

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FIG.6 con't.

3483
GCC ATC ACC GTG GGT CAA AAG AAC GCA AAT AAT CAA GTC AAC ACC CTA ACA CTC
Ala Ile Thr Val Gly Gln Lys Asn Ala Asn Asn Gln Val Asn Thr Leu Thr Leu

3510

3537
AAA GGT GAA AAC GGT CTT AAT ATT AAA ACC GAC AAA AAT GGT ACG GTT ACC TTT
Lys Gly Glu Asn Gly Leu Asn Ile Lys Thr Asp Lys Asn Gly Thr Val Thr Phe

3564

3591
GGC ATT AAC ACC ACA AGC GGT CTT AAA GCC GGC AAA AGC ACC CTA AAC GAC GGT
Gly Ile Asn Thr Thr Ser Gly Leu Lys Ala Gly Lys Ser Thr Leu Asn Asp Gly

3618

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3645
GGC TTG TCT ATT AAA AAC CCC ACT GGT AGC GAA CAA ATC CAA GTC GGT GCT GAT
Gly Leu Ser Ile Lys Asn Pro Thr Gly Ser Glu Gln Ile Gln Val Gly Ala Asp

3672

3699
GGC GTG AAG TTT GCC AAG GGT AAT AAT AAT GGT GTA GGT GCT GGC ATT GAT
Gly Val Lys Phe Ala Lys Val Asn Asn Gly Val Val Gly Ala Gly Ile Asp

3726

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FIG.6 con't.

3267
 ACC AAA CTG AAC AAA ACA AGT GCT AAT GGT AAT ACA GCA ACT AAC TTT AAT GTT
 Thr Lys Leu Asn Lys Thr Ser Ala Asn Gly Asn Thr Ala Thr Asn Phe Asn Val 3294

3321
 AAC TCT AGT GAT GAA GAT GCC CTT GTT AAC GCC AAA GAC ATC GCC GAA AAT CTA
 Asn Ser Ser Asp Glu Asp Ala Leu Val Asn Ala Lys Asp Ile Ala Glu Asn Leu 3348

3375
 AAC ACC CTA GCC AAG GAA ATT CAC ACC ACC AAA GGC ACA GCA GAC ACC GCC CTA
 Asn Thr Leu Ala Lys Glu Ile His Thr Thr Lys Gly Thr Ala Asp Thr Ala Leu 3402

3429
 CAA ACC TTT ACC GTT AAA AAG GTA GAT GAA AAT AAT AAT GCT GAT GAC GCC AAC
 Gln Thr Phe Thr Val Lys Lys Val Asp Glu Asn Asn Asn Ala Asp Asp Ala Asn 3456

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FIG.6 con't.

TTA AAT ACA GGC TTT AAC CTA AAA AAT AAT AAC AAC CCC ATT GAC TTT GTC TCC
 Leu Asn Thr Gly Phe Asn Leu Lys Asn Asn Asn Asn Pro Ile Asp Phe Val Ser

3051

3078

3105

3132

ACT TAT GAC ATT GTT GAC TTT GCC AAT GGC AAT GCC ACC ACC GCC ACA GTA ACC
 Thr Tyr Asp Ile Val Asp phe Ala Asn Gly Asn Ala Thr Thr Ala Thr Val Thr

3159

3186

CAT GAT ACC GCT AAC AAA ACC AGT AAA GTG GTA TAT GAT GTG AAT GTG GAT GAT
 His Asp Thr Ala Asn Lys Thr Ser Lys Val Val Tyr Asp Val Asn Val Asp Asp

3213

3240

ACA ACC ATT CAT CTA ACA GGC ACT GAT GAC AAT AAA AAA CTT GGC GTC AAA ACC
 Thr Thr Ile His Leu Thr Gly Thr Asp Asp Asn Lys Lys Lys Leu Gly Val Lys Thr

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FIG.6 con't.

ATT GCA AAT ACC GCT CGC ATT ACC AGA GAT AAA ATT GGC TTT GCT GGT TCT GAT Ile Ala Asn Thr Ala Arg Ile Thr Arg Asp Lys Ile Gly Phe Ala Gly Ser Asp	2781	2808
GGT GCA GTT GAT ACA AAC AAA CCT TAT CTT GAT CAA GAC AAG CTA CAA GTT GGC Gly Ala Val Asp Thr Asn Lys Pro Tyr Leu Asp Gln Asp Lys Leu Gln Val Gly	2835	2862
AAT GTT AAG ATT ACC AAC ACT GGC ATT AAC GCA GGT GGT AAA GCC ATC ACA GGG Asn Val Lys Ile Thr Asn Thr Gly Ile Asn Ala Gly Gly Lys Ala Ile Thr Gly	2889	2916
CTG TCC CCA ACA CTG CCT AGC ATT GCC GAT CAA AGT AGC CGC AAC ATA GAA CTG Leu Ser Pro Thr Leu Pro Ser Ile Ala Asp Gln Ser Ser Arg Asn Ile Glu Leu	2943	2970
GGC AAT ACA ATC CAA GAC AAA GAC AAA TCC AAC GCT GCC AGC ATT AAT GAT ATA Gly Asn Thr Ile Gln Asp Lys Asp Lys Ser Asn Ala Ala Ser Ile Asn Asp Ile	2997	3024

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FIG.6 con't.

2565
 AGC ATC TTA AAA CTC AAA GGT AAA AAC GGT CTA ACG GTT GCT ACC AAA AAA GAT
 Ser Ile Leu Lys Lys Leu Lys Gly Lys Asn Gly Leu Thr Val Ala Thr Lys Lys Asp

2592

2619
 GGT ACG GTT ACC TTT GGG CTT AGC CAA GAT AGC GGT CTG ACC ATT GGC AAA AGC
 Gly Thr Val Thr Phe Gly Leu Ser Gln Asp Ser Gly Leu Thr Ile Gly Lys Ser

2646

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2673
 ACC CTA AAC AAC GAT GGC TTG ACT GTT AAA GAT ACC AAC GAA CAA ATC CAA GTC
 Thr Leu Asn Asn Asp Gly Leu Thr Val Lys Asp Thr Asn Glu Ile Gln Val

2700

2727
 GGT GCT AAT GGC ATT AAA TTT ACT AAT GTG AAT GGT AGT AAT CCA GGT ACT GGC
 Gly Ala Asn Gly Ile Lys Phe Thr Asn Val Asn Gly Ser Asn Pro Gly Thr Gly

2754

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FIG.6 con't.

GAG CTT AAC AGT GAT GGC ACT AGT GAT AAA TTT AGT GTT AAG GGT AGT GGT ACG	2349	2376
Glu Leu Asn Ser Asp Gly Thr Ser Asp Lys Phe Ser Val Lys Gly Ser Gly Thr		
AAC AAT AGC TTA GTT ACC GCC GAA CAT TTG GCA AGC TAT CTA AAT GAA GTC AAT	2403	2430
Asn Asn Ser Leu Val Thr Ala Thr Ala Glu His Leu Ala Ser Tyr Leu Asn Glu Val Asn		16/47
CGA ACG GCT GAC AGT GCT CTA CAA AGC TTT ACC GTT AAA GAA GAA GAC GAT GAT	2457	2484
Arg Thr Ala Asp Ser Ala Leu Gln Ser Phe Thr Val Lys Glu Glu Asp Asp Asp		
GAC GCC AAC GCT ATC ACC GTG GCT AAA GAT ACG ACA AAA AAT GCC GGC GCA GTC	2511	2538
Asp Ala Asn Ala Ile Thr Val Ala Lys Asp Thr Thr Lys Asn Ala Gly Ala Val		

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FIG.6 con't.

AAA CAA GCA CCA TAT TTG GAT AAA AAA CAA CTT AAA GTG GGT AGT GTT GCA ATT	2079	2106
Lys Gln Ala Pro Tyr Leu Asp Lys Lys Gln Leu Lys Val Gly Ser Val Ala Ile		
ACC ATA GAC AAT GGC ATT GAT GCA GGT AAT AAA AAG ATC AGT AAT CTT GCC AAA	2133	2160
Thr Ile Asp Asn Gly Ile Asp Ala Gly Asn Lys Lys Ile Ser Asn Leu Ala Lys		
GGT AGC AGT GCT AAC GAT GCG GTT ACC ATC GAA CAG CTC AAA GCC GCC AAG CCT	2187	2214
Gly Ser Ser Ala Asn Asp Ala Val Thr Ile Ile Gln Leu Lys Ala Lys Pro		
ACT TTA AAC GCA GGC GCT GGC ATC AGT GTC ACA CCT ACT ACT GAA ATA TCA GTT GAT	2241	2268
Thr Leu Asn Ala Gly Ala Gly Ile Ser Val Thr Thr Pro Thr Thr Glu Ile Ser Val Asp		
GCT AAG AGT GGC AAT GTT ACC GCC CCA ACT TAC AAC ATT GGC GTG AAA ACC ACC	2295	2322
Ala Lys Ser Gly Asn Val Thr Ala Pro Thr Tyr Asn Ile Gly Val Lys Thr Thr		

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FIG.6 con't.

1863	1890
GTT AAG GTA GGT AGT AGT AGT ACA GCT GAA TTA TTG AGT GAT AGT TTA	Val Lys Val Gly Ser Ser Ser Thr Thr Ala Glu Leu Leu Ser Asp Ser Leu
1917	1944
ACC TTT ACC CAG CCC AAT ACA GGC AGT CAA AGC ACA AGC AAA ACC GTC TAT GGC	Thr Phe Thr Thr Gln Pro Asn Thr Thr Gly Ser Gln Ser Thr Ser Lys Thr Val Tyr Gly
1971	1998
GTT AAT GGG GTG AAG TTT ACT AAT AAT GCA GAA ACA ACA GCA ATC GGC ACT	Val Asn Gly Val Lys Phe Thr Asn Asn Ala Glu Thr Thr Thr Ala Ala Ile Gly Thr
2025	2052
ACT CGT ATT ACC AGA GAT AAA ATT GGC TTT GCT CGA GAT GGT GAT GAT GAA	Thr Arg Ile Thr Arg Asp Lys Ile Gly Phe Ala Ala Arg Asp Gly Asp Val Asp Glu

FIG.6 con't.

AGA ATT ACT TTT CAG GGT GAT GAT AAC AGT ACT GAC GTA AAA ATA GGT TTG GAT	1647	1674
Arg Ile Thr Phe Gln Gly Asp Asp Asn Ser Thr Asp Val Lys Ile Gly Leu Asp		
AAT ACT TTA ACT ATT AAA GGT GGT GCA GAG ACC AAC GCA TTA ACC GAT AAT AAT	1701	1728
Asn Thr Leu Thr Ile Lys Gly Gly Ala Glu Thr Asn Ala Leu Thr Asp Asn Asn		13/47
ATC GGT GTG GTA AAA GAG GCT GAT AAT AGT GGT CTG AAA GTT AAA CTT GCT AAA	1755	1782
Ile Gly Val Val Lys Glu Ala Asp Asn Ser Gly Leu Lys Val Lys Leu Ala Lys		
ACT TTA AAC AAT CTT ACT GAG GTG AAT ACA ACT ACA TTA AAT GCC ACA ACC ACA	1809	1836
Thr Leu Asn Asn Leu Thr Glu Val Asn Thr Thr Thr Leu Asn Ala Thr Thr Thr		

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FIG.6 con't.

GGT ACT CGT GCT CAG CTA CAG GGC AGT ATT GCC CTA GGT CAA GGT TCT GTT GTC Gly Thr Arg Ala Gln Leu Gln Gly Ser Ile Ala Leu Gly Gln Gly Ser Val Val	1377	1404
ACT CAG AGT GAT AAT AAT TCT AGA CCG GCC TAT ACA CCA AAT ACC CAG GCA CTA Thr Gln Ser Asp Asn Asn Ser Arg Pro Ala Tyr Thr Pro Asn Thr Gln Ala Leu	1431	1458
GAC CCC AAG TTT CAA GCC ACC AAT AAT ACG AAG GCG GGT CCA CTT TCC ATT GGT Asp Pro Lys Phe Gln Ala Thr Asn Asn Thr Lys Ala Gly Pro Leu Ser Ile Gly	1485	1512
AGT AAC TCT ATC AAA CGT AAA ATC ATC AAT GTC GGT GCA GGT GTT AAT AAA ACC Ser Asn Ser Ile Lys Arg Lys Ile Ile Asn Val Gly Ala Gly Val Asn Lys Thr	1539	1566
GAT GCG GTC AAT GTG GCA CAG CTA GAA GCG GTG GTG AAG TGG GCT AAG GAG CGT Asp Ala Val Asn Val Ala Gln Leu Glu Ala Val Lys Trp Ala Lys Glu Arg	1593	1620

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FIG.6 con't.

1161
 TAT AGA CGC ACA ACC GCA AGC GGA CAC GCC AGT ACT GCA GTG GGA GCC
 Tyr Arg Arg Thr Thr Ala Ser Gly His Ala Ser Thr Ala Val Gly Ala
 1215
 TAT GCA CAG GGT CAT TTT TCC AAC GCC TTT GGT ACA CGG GCA ACA GCT AAA AGT
 Tyr Ala Gln Gly His Phe Ser Ser Asn Ala Phe Gly Thr Arg Ala Thr Ala Lys Ser
 1269
 GCC TAT TCC TTG GCA GTG GGT CTT GCC GCC ACA GCC GAG GGC CAA TCT ACA ATC
 Ala Tyr Ser Leu Ala Val Gly Leu Ala Ala Thr Ala Glu Gly Gln Ser Thr Ile
 1323
 GCT ATT GGT TCT GAT GCA ACA TCT AGC TCG TTG GGA GCG ATA GCC CTT GGT GCA
 Ala Ile Gly Ser Asp Ala Thr Ser Ser Ser Leu Gly Ala Ile Ala Leu Gly Ala
 1296
 1350

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FIG.6 con't.

AAG ATA GGT ACC GAT GCT ACG GGT CAA GAG TCC ATC GCC ATC GGT GGT GAT GTA	945	972
Lys Ile Gly Thr Asp Ala Thr Gly Gln Glu Ser Ile Ala Ile Gly Gly Asp Val		
AAG GCT AGT GGT GAT GAT GCC TCG ATT GCC ATC GGT AGT GAT GAC TTA CAT TTG CTT	999	1026
Lys Ala Ser Gly Asp Ala Ser Ile Ala Ile Gly Ser Asp Asp Leu His Leu Leu		
GAT CAG CAT GGT AAT CCT AAA CAT CCG AAA GGT ACT CTG ATT AAC GAT CTT ATT	1053	1080
Asp Gln His Gly Asn Pro Lys His Pro Lys Gly Thr Leu Ile Asn Asp Leu Ile		
AAC GGC CAT GCA GTA TTA AAA GAA ATA CGA AGC TCA AAG GAT AAT GAT GTA AAA	1107	1134
Asn Gly His Ala Val Leu Lys Glu Ile Arg Ser Ser Lys Asp Asn Asp Val Lys		

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FIG.6 con't.

CAA GTT GGC AGT GTA TGC ACT CTG AGC TTT GCC CGT ATT GCC GCG CTC GCT GTC 702

CTC GTG ATC GGT GCA ACG CTC AGT GGC AGT GCT TAT GCT CAA AAA AAA GAT ACC 756
Met Ile Gly Ala Thr Leu Ser Gly Ser Ala Tyr Ala Gln Lys Lys Asp Thr
 Peptide 1

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AAA CAT ATC GCA ATT GGT GAA CAA AAC CAG CCA AGA CGC TCA GGC ACT GCC AAG 810
Lys His Ile Ala Ile Gly Glu Gln Asn Gln Pro Arg Arg Ser Gly Thr Ala Lys

GCG GAC GGT GAT CGA GCC ATT GCT ATT GGT GAA AAT GCT AAC GCA CAG GGC GGT 864
Ala Asp Gly Asp Arg Ala Ile Ala Ile Gly Glu Asn Ala Asn Ala Gln Gly Gly
 Peptide 2

CAA GCC ATC GCC ATC GGT AGT AGT AAT AAA ACT GTC AAT GGA AGC AGT TTG GAT 918
Gln Ala Ile Ala Ile Gly Ser Ser Asn Lys Thr Val Asn Gly Ser Ser Leu Asp

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FIG.6 con't.

486
AAT CAC CAG ATT CAT TCA AGT GAT GTG TTT GTA TAC GCA CCA TTT ACC CTA ATT

513
ATT TCA ATC AAA TGC CTA TGT CAG CAT GTA TCA TTT TTT TAA GGT AAA CCA CCA

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540
TGA ATC ACA TCT ATA AAG TCA TCT TTA ACA AAG CCA CAG GCA CAT TTA TGG CAG

594
TGG CAG AGT ACG CCA AAT CCC ACA GCA CGG GGG GGT AGC TGT GCT ACA GGG

621

648

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FIG.6 con't.

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CGA GTT GAT TTG GGT TAA TCA CTC TAT GAT TTG ATA TAT TTT GAA ACT AAT CTA
297 324

TTG ACT TAA ATC ACC ATA TGG TTA TAA TTT AGC ATA ATG GTA GGC TTT TTG TAA
351 378

AAA TCA CAT CGC AAT ATT GTT CTA CTG TTA CTA CCA TGC TTG AAT GAC GAT CCC
405 432

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FIG.6.

27 54
 CCATG GAT ATG GGC AGG TGT GCT CGC CTG CCG TAT GAT GGC GAT GAC ACC CCA TTT

81 108
 GCC CCA TAT CTG TAC GAT TTG ACA TGT GAT ATG ATT TAA CAT GTG ACA TGA TTT

135 162
 AAC ATT GTT TAA TAC TGT TGC CAT CAT TAC CAT AAT TTA GTA ACG CAT TTA GTA

189 216
 ACG CAT TTG TAA AAA TCA TTG CGC CCC TTT ATG TGT ATC ATA TGA ATA GAA TAT

243 270
 TAT GAT TGT ATC TGA TTA TTG TAT CAG AAT GGT GAT GCT ATA TGA TGA TGC CTA

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